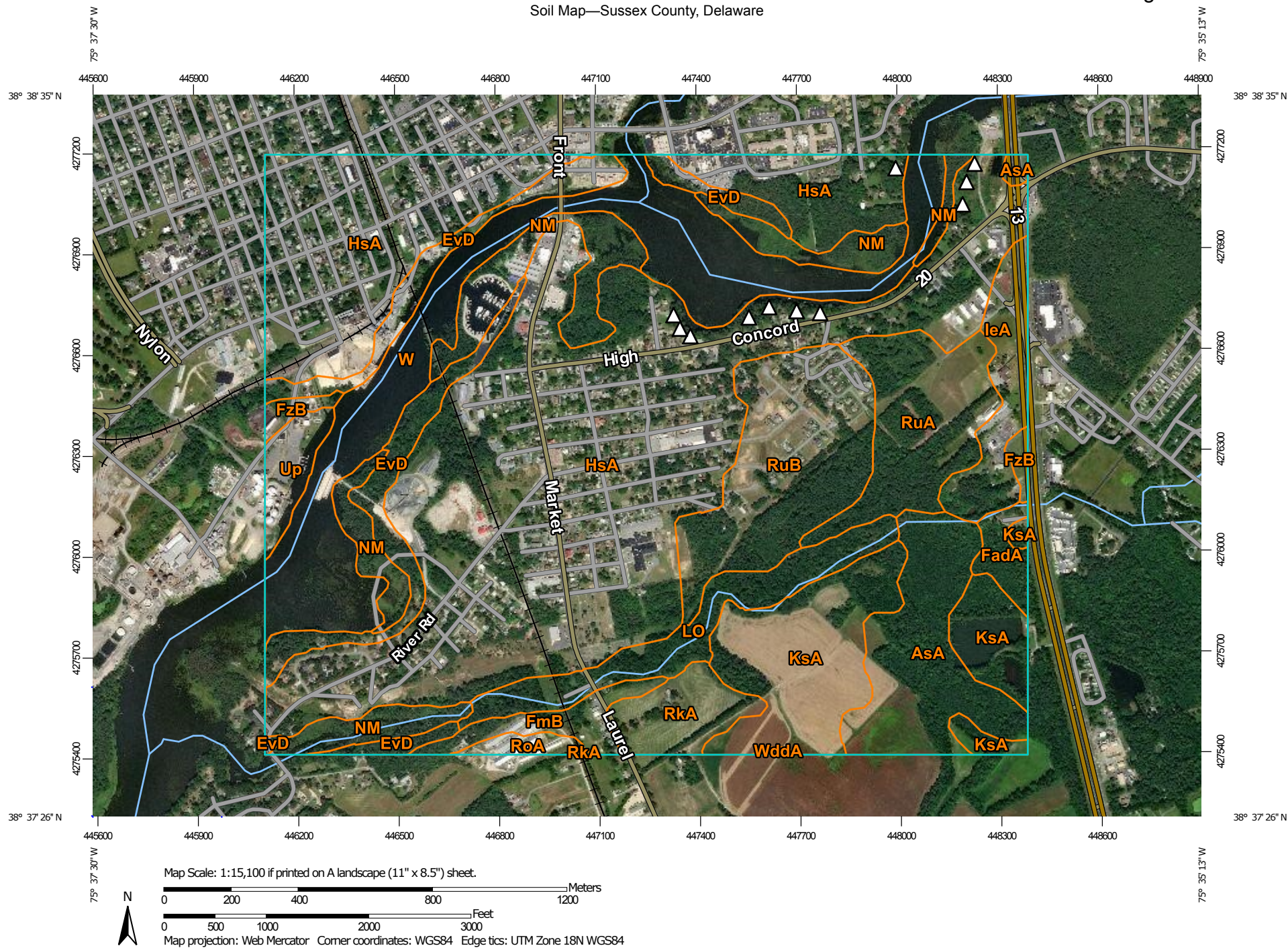




Soil Map—Sussex County, Delaware




Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

2/25/2019
Page 1 of 3

MAP LEGEND**Area of Interest (AOI)**
 Area of Interest (AOI)
Soils
 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points
Special Point Features

Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features

Streams and Canals

Transportation

Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Sussex County, Delaware

Survey Area Data: Version 19, Sep 14, 2018

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Sep 5, 2016—Sep 24, 2017

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AsA	Askecksy loamy sand, 0 to 2 percent slopes	53.9	5.3%
EvD	Evesboro loamy sand, 5 to 15 percent slopes	51.4	5.1%
FadA	Fallsington sandy loams, 0 to 2 percent slopes, Northern Tidewater Area	7.9	0.8%
FmB	Fort Mott loamy sand, 2 to 5 percent slopes	13.3	1.3%
FzB	Fallsington-Urban land complex, 0 to 5 percent slopes	5.6	0.6%
HsA	Henlopen-Rosedale-Urban land complex, 0 to 2 percent slopes	424.7	42.1%
IeA	Ingleside loamy sand, 0 to 2 percent slopes	24.6	2.4%
KsA	Klej loamy sand, 0 to 2 percent slopes	74.8	7.4%
LO	Longmarsh and Indiantown soils, frequently flooded	34.0	3.4%
NM	Nanticoke and Mannington soils, very frequently flooded, tidal	61.7	6.1%
RkA	Rockawalkin loamy sand, 0 to 2 percent slopes	19.8	2.0%
RoA	Rosedale loamy sand, 0 to 2 percent slopes	4.7	0.5%
RuA	Runclint loamy sand, 0 to 2 percent slopes	45.7	4.5%
RuB	Runclint loamy sand, 2 to 5 percent slopes	66.1	6.5%
Up	Urban land	11.8	1.2%
W	Water	109.1	10.8%
WddA	Woodstown sandy loam, 0 to 2 percent slopes, Northern Tidewater Area	0.5	0.1%
Totals for Area of Interest		1,009.6	100.0%

Sussex County, Delaware

HsA—Henlopen-Rosedale-Urban land complex, 0 to 2 percent slopes

Map Unit Setting

National map unit symbol: 1qth7

Elevation: 0 to 130 feet

Mean annual precipitation: 42 to 48 inches

Mean annual air temperature: 52 to 58 degrees F

Frost-free period: 180 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Henlopen and similar soils: 40 percent

Rosedale and similar soils: 30 percent

Urban land: 20 percent

Minor components: 10 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Henlopen

Setting

Landform: Dunes, marine terraces

Down-slope shape: Convex, linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits and loamy fluviomarine sediments

Typical profile

Ap - 0 to 10 inches: loamy sand

E - 10 to 46 inches: loamy sand

Bt - 46 to 62 inches: sandy loam

C - 62 to 80 inches: sand

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Somewhat excessively drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.57 to 5.95 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.9 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 3s

Hydrologic Soil Group: A

Hydric soil rating: No

Description of Rosedale

Setting

Landform: Flats

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Sandy eolian deposits over fluviomarine sediments

Typical profile

A - 0 to 9 inches: loamy sand

E - 9 to 25 inches: loamy sand

Bt - 25 to 38 inches: sandy loam

C - 38 to 68 inches: loamy sand

2Cg - 68 to 80 inches: sandy clay loam

Properties and qualities

Slope: 0 to 2 percent

Depth to restrictive feature: More than 80 inches

Natural drainage class: Well drained

Runoff class: Negligible

Capacity of the most limiting layer to transmit water (Ksat):

Moderately high to high (0.20 to 5.95 in/hr)

Depth to water table: About 40 to 72 inches

Frequency of flooding: None

Frequency of ponding: None

Available water storage in profile: Low (about 5.3 inches)

Interpretive groups

Land capability classification (irrigated): 2s

Land capability classification (nonirrigated): 2s

Hydrologic Soil Group: A

Hydric soil rating: No

Description of Urban Land

Setting

Landform: Flats

Down-slope shape: Linear

Across-slope shape: Linear

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8

Hydric soil rating: Unranked

Minor Components

Fort mott

Percent of map unit: 5 percent

Runclint

Percent of map unit: 5 percent

Data Source Information

Soil Survey Area: Sussex County, Delaware

Survey Area Data: Version 19, Sep 14, 2018